

IN THE CLAIMS

This listing of claims replaces all prior versions, and listings, in this application.

1. (currently amended) A process for pasteurising microbial cells or microorganisms, the process comprising: (a) heating the cells or microorganisms from 40°C to ~~[[70]]~~60°C in no more than 30 minutes, or (b) heating the cells or microorganisms from 40°C to ~~[[70]]~~60°C at a rate greater than 0.5°C/minute; ~~or, or~~ (c) heating the cells or microorganisms from 40°C to ~~[[70]]~~60°C in no more than 30 minutes at a rate greater than 0.5°C/minute.

2. (currently amended) A process for pasteurising microbial cells or microorganisms ~~that comprises three stages~~, the process comprising ~~the following steps~~: (a) a (first) heating stage, a (second) plateau stage at which the cells or microorganisms are maintained at a constant temperatures; and (c) a (third) cooling stage.

Claim 3 (canceled)

4. (currently amended) A process for pasteurising microbial cells or microorganisms, the process comprising: heating the cells or microorganisms and maintaining the heated cells or microorganisms at an elevated temperature (T, °C) for a time (t, minutes) at a plateau stage, wherein the product tT is from 140 to 100,800°C.minute.

Claims 5-10 (canceled)

11. (currently amended) A process for pasteurizing microbial cells or microorganisms, the process ~~comprising the following steps~~: (a) a heating stage, (b) a plateau stage at which the cells or microorganisms are maintained at a constant temperature, ~~[[;]]~~ and (c) a cooling stage; ~~[[,]]~~
wherein the heating stage comprises (i) ~~[[a]]~~ heating the cells or microorganisms from 40°C to ~~[[70]]~~60°C in no more than 30 minutes, ~~[[;]]~~ or (ii) ~~[[b]]~~ heating the cells or

microorganisms from 40°C to ~~[[70]]~~60°C at a rate greater than 0.5°C/minute, ~~[[;]]~~ or (iii),
(e) heating the cells or microorganisms from 40°C to ~~[[70]]~~60°C in no more than 30
minutes at a rate greater than 0.5°C/minute.

Claims 12-13 (canceled)

14. (new) A microbial oil comprising at least 10% of arachidonic acid and which has an
anisidine value (AnV) of less than 25.

15. (new) The microbial oil of claim 14 comprising at least 35% of arachidonic acid.

16. (new) The microbial oil of claim 14, which has an anisidine value from 5 to 25.

17. (new) The microbial oil of claim 14, which has an anisidine value of no more than
20.

18. (new) An oil according to claim 17, which has an anisidine value of less than 15.

19. (new) The microbial oil of claim 14, which has a triglyceride content of at least 90%.

20. (new) The microbial oil of claim 14, which has a peroxide value of less than 12.

21. (new) The microbial oil of claim 14, which has a peroxide value of less than 1.5.

22. (new) The microbial oil of claim 14, which has been produced by a fungus.

23. (new) The microbial oil of claim 22, wherein the fungus is of the genus *Mortierella*.

24. (new) The microbial oil of claim 23, wherein the fungus is of the species *Mortierella*
alpina.

25. (new) The microbial oil of claim 14, which is a crude or unrefined oil.
26. (new) A foodstuff and/or food supplement comprising the microbial oil of claim 14.
27. (new) The foodstuff and/or food supplement of claim 26, which is an infant formula.
28. (new) The foodstuff and/or food supplement of claim 26, which is an animal or marine feed composition or supplement.
29. (new) A process of using a microbial oil of claim 25, the process comprising: subjecting the microbial oil to one or more refining steps to provide refined oil.
30. (new) The process according to claim 29 further comprising: adding the refined oil to a human food or animal feedstuff.
31. (new) The process according to claim 29 further comprising: adding the refined oil to infant formula.
32. (new) A foodstuff and/or food supplement comprising oil refined according to the process of claim 29.
33. (new) The foodstuff and/or food supplement of claim 32, which is an infant formula.
34. (new) The foodstuff and/or food supplement of claim 32, which is an animal or marine feed composition or supplement.
35. (new) A process of making a microbial oil of claim 14, the process comprising: extracting the microbial oil from microbial cells or microorganisms.